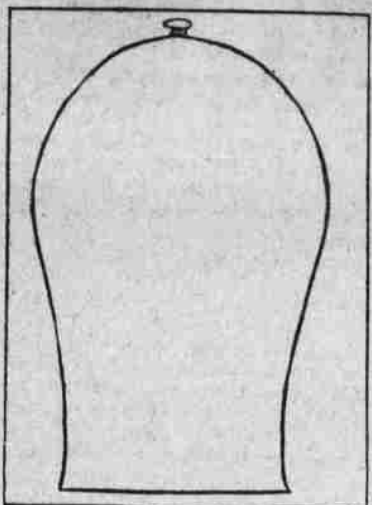




THE DAIRY

Wire Contrivance and How to Adjust It on Animal.

Use a wire about the size of telegraph wire. Have it long enough to go through mouth as a bit and to hook



Prevents Self-Sucking.

together behind the ears as a head-stall. The bit will prevent her tongue from getting in suction shape, but, declares the correspondent of the Valley Farmer, she can eat and drink as usual.

FALL WHEAT CULTURE.

Condition of Soil an Important Factor in Growing the Crop.

Fall wheat requires a soil reasonably rich in humus. Humus is necessary to furnish the little nitrogen needed, to assist in rendering the mineral plant foods available and to keep the soil in a proper physical condition. Then a soil rich in humus usually has the proper water holding power. This is a very important essential in the production of any kind of small grain.

The preparation of the soil has much to do with its water holding power. If the ground is fall plowed and then sown to wheat, the particles of the soil below where the grains of wheat lie will be too porous for the water to rise from the subsoil to the grains. If there should be a period of dry weather, the grains will not germinate, or the plants will die for want of moisture if the seed has germinated.

While it is important to have the surface layer of the soil mellowed to prevent loss of moisture by evaporation, it is also important that the layer of soil below the point where the seeds lie, be sufficiently packed to insure the capillary rise of moisture. For this reason, it is best not to fall plow the ground that is to be sown to fall grain. Simply sow the seed and cultivate it in with a cultivator or disk and then harrow twice. If it is sown between corn rows, all the better. The corn will shade the ground and prevent loss of a great deal of moisture by evaporation and putting in the seed with the cultivator or grain drill will mellow the surface layer sufficiently to establish a dirt mulch and at the same time the layer of the soil below the surface layer will not be disturbed.

If the ground is to be sown to wheat next spring, fall plowing is many times very beneficial. It mellow the soil, giving the frosts a chance to act upon the unresolvable mineral plant foods and by the time the wheat is sown in the spring the ground has become compacted enough so that the moisture in the subsoil can rise by capillary attraction.

SALTING BUTTER.

Even Distribution of Moisture Essential to the Process.

The following thoughts were suggested to the writer by reading a report from the Iowa station:

No established rule for salting butter can be given. The butter maker will have to be governed entirely by local conditions.

The amount of salt to be incorporated in the butter depends directly on the amount of moisture the butter contains. Butter fat is not a salt dissolving substance. This can be done only by the moisture in the butter. The first thing, then, to get a uniform amount of dissolved salt in butter is to get a uniform amount of moisture. The water should be evenly distributed through the mass of butter. If it is present in pockets or crevices in the butter when the salt is added, much salt will be lost in the form of brine, besides those particles of butter near the pockets will contain more salt than those farther away.

Best results are obtained by allowing the butter to drain well after washing and then apply the salt. In no case should salt be added till the butter has assumed a gathered condition. When the butter is medium soft after being worked, it has been found that from three-fourths to an ounce of salt for each pound of butter is not far from the correct amount.

DAIRY DOINGS.

Denmark has about 1,300 creameries and they make annually about 160,000 tons of butter.

Every intelligent man can make dairying pay because intelligent methods always win.

The man that owns a separator can often sell sweet skim milk to city people at a good price.

So far as is possible avoid metals about butter. The salt will cause rust and stain the butter.

Sunshine is a great enemy of bacteria. Place the milking utensils in the sun when not in use.

Pattening old cows for beef is not generally a very profitable operation.

MEANS SUCCESS OR FAILURE.

Knowledge in Dairying is of the Most Vital Importance.

Knowledge is valuable in dairying to a very great extent, more so than in some other occupations of an agricultural nature. The effect of a single piece of information may make all the difference there is between success and failure in dairy operations. This is true in the matter of feeds, especially, for it is very easy for a man to go on feeding his cows a food that costs a great deal and yet that will produce less result than a food that costs less. We had an illustration of this during the long years when farmers raised and fed to their cows timothy hay rather than clover hay. Some even went into the markets and purchased timothy hay at a higher price by 50 per cent. than they would have had to pay for sweet, bright clover hay. This was due to ignorance of the feeding value of the two kinds of hay, the clover being worth more ton for ton than the timothy. Think of the vast sums of money that have been paid out alone on account of this one item.

What is true of the two kinds of hay is also true of the concentrated feeds. There is a certain prejudice in favor of a certain concentrated feed in each neighborhood and this is allowed to dictate the course to be followed rather than the choice of feeds after thorough investigation. Many of the mills are now turning out brands that are of little value for feeding purposes. This is true, too, of the kind of feed known as "shorts," which in some cases consist of bran ground over and over till they are fine. The man that will inform himself about the various kinds of concentrated feeds will be able to feed intelligently and that is a good way to save money.

The value of knowledge as to the capacity of cows is very great. The man that begins the study of his cows as to their capacities and the results they are giving will be able to turn off his poorest cows and get better ones in their places. Some of our dairymen and farmers would be able to make good profits out of their herds of cows if they would do this, while at the present time they are just about making expenses.

AGE TO BREED HEIFERS.

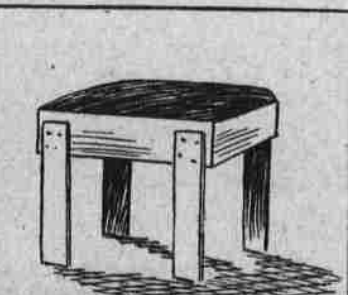
Time Varies with the Animal and the Purpose She is to Serve.

Farmers differ as to the best time to breed heifers. It is probably true, as a whole, that most of our heifers are bred too young which undoubtedly decreases their size and efficiency. If we want all the size possible heifers should not be bred before they are 10 or 20 months old. If they are bred younger than this they will undoubtedly be somewhat stunted and will never attain the size they would have had if the gestation period had been delayed until later in life. Dairy heifers that are milked by hand can be bred earlier than the beef heifers for the reason that milking by hand is not so great a tax on the system as is the sucking of a vigorous calf. Then, too, dairy capacity should be developed as early as possible. To make the best kind of a beef cow a heifer should not be bred until she is 18 to 22 months old. Of course considerable depends upon the size of the heifer when bred which in turn depends on the way she has been raised. Some heifers are too small to breed until they are two years old because they have not been properly raised. Then again, says The Farmer, other heifers which have made the greatest possible gains in early life are suitable to breed before the average age. Breeding at an early age will of course tend to promote prolificacy and it will also sometimes tend on the other hand to weaken the system so that disease is likely. Many cases of habitual abortion are due to the fact that the heifer was bred before her system was strong enough to sustain the strain of pregnancy. It can generally be taken as a safe rule that we should not breed heifers until they have the size of a normal 18-month-old heifer or until they show by their vigor and health that they are fit for the duties of maternity.

A COMFORTABLE MILK STOOL.

Seat is Cushioned to Make Long Task Easier.

Make a box of inch boards 12x16 inches and 4 inches deep. Make legs three inches wide, nine inches long.



The Milking Stool.

Then take a piece of grain sacking, nail to three sides of stool and stuff with excelsior or something similar. In Wisconsin, where we milk three hours a day, writes the correspondent of the Missouri Valley Farmer, we find the need of cushions.

The Mean Dog.

When the cows come down to the stables with their heels all slit up, and a dog tight to their starboard quarters, don't be surprised if you get scanty milk of a decidedly poor quality. The price is just what you ought to pay for allowing a mean dog to interfere with your dairy work. Good, intelligent dogs, or none, should be the motto.

Impure Well Water.

It has been found that well water used in rinsing the cans and jars may contaminate the milk that is placed in these cans or jars with typhoid fever germs. Rinsing out the utensils with boiling water and setting in the sun for half a day is a much better practice than simply rinsing them out

HERITAGE OF CIVIL WAR.

Thousands of Soldiers Contracted Chronic Kidney Trouble While in the Service.

The experience of Capt. John L. Ely, of Co. E, 17th Ohio, now living at 500 East Second street, Newton, Kansas, will interest the thousands of veterans who came back from the Civil War suffering from kidney trouble with kidney complaint. Capt. Ely says:



"I contracted kidney trouble during the Civil War, and the occasional attacks finally developed into a chronic case. At one time I had to use a crutch and cane to get about. My back was lame and weak, and besides the aching, there was a distressing retention of the kidney secretions. I was in a bad way when I began using Doan's Kidney Pills in 1901, but the remedy cured me, and I have been well ever since."

Sold by all dealers. 50 cents a box. Foster-Milburn Co., Buffalo, N. Y.

A Little Courtship Comedy.

A good-looking, well-to-do bachelor of Manchester was being teased by some young women of his acquaintance for not being married. He said: "I'll marry the one of you whom on a secret vote you elect to be my wife."

There were nine women in the company. Each one went into a corner and used great caution in preparing her ballot and disguised her handwriting.

The result was that there were nine votes cast, each receiving one. The man remains a bachelor, the friendship is broken up, and the women, all mortal enemies, united in the one determination that they will not speak to the man again.—The Tatler.

THREE BOYS HAD ECZEMA.

Were Treated at Dispensary—Did Not Improve—Suffered Five Months—Perfect Cure by Cuticura.

"My three children had eczema for five months. A little sore would appear on the head and seemed very itchy, increasing day after day. The baby had had it about a week when the second boy took the disease and a few sores developed, then the third boy took it. For the first three months I took them to the N— Dispensary, but they did not seem to improve. Then I used Cuticura Soap and Cuticura Ointment and in a few weeks they had improved, and when their heads were well you could see nothing of the sores. Mrs. Kate Keim, 513 West 29th St., New York, N. Y., Nov. 1, 5 and 7, 1906."

The Peaceful Joy of the River.

An ingenious Spaniard says that "rivers and the inhabitants of the watery element were made for wise men to contemplate and fools to pass by without consideration." And though I will not rank myself in the number of the first, yet give me leave to free myself from the last, by offering to you a short contemplation, first of rivers, and then of fish; concerning which I doubt not but to give you many observations that will appear very considerable; I am sure they have appeared so to me, and made many an hour pass away more pleasantly, as I have sat quietly on a flowery bank by a calm river.—Isaac Walton.

Disillusion.

The American contractor stood at the base of the great pyramid and looked at the venerable monument in disgust.

"It's a big pile, all right," he said; "and it may do well enough for Egypt, but if a man in the United States should turn out a job of stone work like that the papers would roast him from Hoboken to Hegewisch."

Turning away disappointed, he consoled himself by taking a ride on a camel, which animal he found fully up to all the descriptions he had read of it.

Her Bad Break.

"Here's a pretty good coat, if you want it," said the farmer's wife, with a generous smile.

Young Hilary Wearnease, the tramp, spoke politely, yet with some slight hauteur.

"Yer kindness, ma'am," he said, "should be a sufficient excuse for yer ignorance; but ye oughter know I can't wear no sack coat with this here silk hat."

No Grace.

Four-year-old Anna was invited to take luncheon with the family of one of her little friends. Before they partook of their meal, the head of the house asked a blessing upon the food, during which time Anna chattered constantly. Not wishing to reproach the child, her hostess said, "I suppose you don't have grace at your house."

"Oh, no," the little girl replied, "we have Bessie."—Harper's Magazine.

FOUND OUT.

A Trained Nurse Made Discovery.

No one is in better position to know the value of food and drink than a trained nurse.

Speaking of coffee, a nurse of Wilkes Barre, Pa., writes: "I used to drink strong coffee myself, and suffered greatly from headaches and indigestion. While on a visit to my brother I had a good chance to try Postum Food Coffee, for they drank it altogether in place of ordinary coffee. In two weeks after using Postum I found I was much benefited and finally my headaches disappeared and also the indigestion."

"Naturally I have since used Postum among my patients, and have noticed a marked benefit where coffee has been left off and Postum used."

"I observed a curious fact about Postum when used among mothers. It greatly helps the flow of milk in cases where coffee is inclined to dry it up, and where tea causes nervousness."

"I find trouble in getting servants to make Postum properly. They must always serve it before it has been boiled long enough. It should be boiled 15 to 20 minutes after boiling begins and served with cream, when it is certainly a delicious beverage." Read

What the Poet Says.

After their honeymoon to Niagara Falls they came back and settled on the old farm.

"Gracious, Silie!" said Cynthia. "Why are you in such a bad humor?"

"Making butter is blamed hard work," grumbled Silie, removing the beads from his brow.

"Oh, cheer up, Silie. Don't the poet say that it is 'love that makes the world go round'?"

"Yes, but, by gosh, it don't make the churn go round."

The Truth.

Gobsa Golde descended painfully from his 90-horse power limousine.

"I wish to purchase," he said, "an engagement ring."

"Yes, sir," said the eager clerk. "We have just imported a superb ring, sir—two ruby hearts surrounded—"

"No," said the aged millionaire, in a disillusioned voice; "no, that won't do. There is only one heart concerned in this affair. The girl is marrying me for my money."

Laundry work at home would be much more satisfactory if the right starch were used. In order to get the desired stiffness, it is usually necessary to use so much starch that the beauty and fineness of the fabric is hidden behind a paste of varying thickness, which not only destroys the appearance, but also affects the wearing quality of the goods. This trouble can be entirely overcome by using Defiance Starch, as it can be applied much more thinly because of its great strength than other makes.

Dutch at Home and Abroad.

Holland has a population of only 5,000,000, but there are 40,000,000 of people in the Dutch East and West Indies. The Dutch are not at present much addicted to emigration. In the United States, at the time of the last census, there were only 105,000 persons of Dutch birth. The number of Dutchers in the Dutch East Indies is barely 12,000.

Cool.

"What does that stranger on the beach mean by his signals?" demanded the man at the helm. "Did you ever see the fellow before?"

"No," answered the girl in the yacht's cabin, "but he has just proposed to me by wigwag, and I have accepted him. Our engagement, therefore, is off. Kindly put me ashore."

To prevent that tired feeling on ironing day—Use Defiance Starch—saves time—saves labor—saves annoyance, will not stick to the iron. The big 16 oz. package for 10c, at your grocer's.

There is no debtor in the world so honorable—so superbly honorable—as love.—Henry Drummond.

Why Work Yourselves to Death Trying to Make a Living.

Go to Southwest Texas Where the Land is Fertile and Grows Enormously Profitable Crops With Little Labor.

Read This Carefully.

Enid, Oklahoma, April 13, 1907.

Dr. C. F. Simmons, San Antonio, Texas:

My Dear Sir—I was down on your Atascosa County ranch, and spent four days looking it over. It is a great tract of land; the finest large body of land I was ever on. In the four days I spent on it I am sure I did not see forty acres that could not be cultivated.

The soil is dark and chocolate sandy loam, and some black, waxy with a little sand, but no blow sand. I took soil from different pastures, and found the land all underlaid with a good clay foundation.

In my opinion, this land, with proper cultivation, will produce everything that can be grown from Maine to California. I never saw a more fertile body of land anywhere.

Such land as this, if located in Oklahoma, would sell for \$30 an acre. The entire tract is within the artemisia belt. The water from these wells that I saw and drank, was good for all purposes.

I carried one of your "New Home Sweet Home" books with me and compared the views shown by you in it with what I saw, and found everything just as represented. I have read your description of this property, and you have not overdrawn it in any way. No one can realize what a splendid opportunity this is to get a good home for a very little money in the finest climate and on the richest land in the world, until he sees it.

I will be very glad to answer any one who wants to know what I know about your land.

Yours very truly, J. S. LIGHTFOOT.

Dr. C. F. Simmons has divided his ranch and is selling from 10 to 640 acres and 2 town lots for \$210.00 payable \$10.00 a month without interest. Write today for booklet and set of views of the ranch and name of nearest agent.

DR. C. F. SIMMONS,

215 Alamo Plaza,

San Antonio, Texas.

PUTNAM FADELESS DYES PATENTS

Color more goods brighter and faster colors than any other dye. One 10c package colors all fabrics. They dye in cold water better than any other dye. You can dye any garment without ripping apart. Write for free booklet—How to Dye, Bleach and Mix Colors.

MONROE DRUG CO., Quincy, Illinois

PILES NO MONEY TILL CURED—SEND FOR FREE BOOK

DEB. THORNTON & MINOR—1030 OAK ST. KANSAS CITY, MO.

New in Natural History.

Not all English children are well posted on live stock. The following "howlers" are from essays exhibited at a recent show: "The young horses have long legs, so that it might keep up to its mother when wild lions like the lion and tiger are after them to devour them."

"The fowl," declares still another, "when alive is used for cock-fighting and when dead for its beautiful feathers." "The pig gets its wool coat off in summer. Then we get the wool of it. The pig is regarded as a bad creature."

Deafness Cannot Be Cured

by local applications, as they cannot reach the diseased portion of the ear. There is only one way to cure deafness, and that is by restoring the inflamed membrane of the Eustachian Tube, which is the cause of the deafness. When this tube is inflamed you have a running sound or noise in the ear, and when it is entirely closed, deafness is the result, and unless the inflammation is taken out and this tube restored to its normal condition, no hearing can be restored. Our method is guaranteed to cure, or we will give you \$100.00. Send for circular, free. E. J. O'NEILL & CO., Toledo, O. Sold by Druggists, etc.

Glass Bricks Popular.

Possessing the advantage of being acid proof and of harboring no disease germs, glass bricks, a product of Germany, are very popular. They are translucent, but not transparent.

Important to Mothers.

Examine carefully every bottle of CASTORIA, a safe and sure remedy for infants and children, and see that it bears the Signature of *Dr. H. H. Plummer*.

In Use For Over 30 Years.

The Kind You Have Always Bought.

Countries of One Crop.

Burmah is one of the world's single-crop countries, basing her prosperity on rice, as Hawaii does on sugar, and the Philippines do on hemp.

Smokers have to call for Lewis' Single Binder cigar to get it. Your dealer or Lewis' Factory, Peoria, Ill.

A woman is easily managed when a man takes her hand in his love.

Mrs. Winslow's Soothing Syrup. For children teething, softens the gums, reduces inflammation, allays pain, cures wind colic. See a bottle.

Virtue is bold and goodness never fearful.—Shakespeare.

A. N. K.—B (1907)—38 2196.

Why He Wanted Law.

Man Had to Be Forced into Paths of Righteousness.

Congressman James E. Watson of the Sixth Indiana district told a story while in town recently, anent the operation of the pure food law, and intended to illustrate his expressed theory that more people would be good if they had to be.

"It was while we were wrestling with the pure food bill at Washington," he said, "that I got a letter from home, written by a man from whom I bought a big quantity of maple sirup each year. He urged me to fight for the pure food bill. Now, I couldn't help remembering, to save my life, that this man bought five barrels of brown sugar at the opening of the maple molasses season. So I wrote him a note suggesting that advocacy of a pure food measure seemed odd from a man who bought five barrels of brown sugar before beginning the manufacture of his pure maple sirup."

"Never feazed him. He turned my letter over and wrote on the back: 'I know it, but I want the law to make me do right.'—Indianapolis News.

A Useful Friend.

"Johnny can use to work to-day, sir."

"Why not?"

"He's 'tired somethin' awful with heat er' 'dation, sir."

"—yes, sir."

"But didn't I see him playing ball in the vacant lot this morning?"

"Ye—yes, sir. You see, when he plays ball, sir, he forgets the pain, sir."

The great question in life is the suffering we cause; and the utmost ingenuity of metaphysics cannot justify the man who has pierced the heart that loved him.—Benjamin Constant.

Lewis' Single Binder Cigar has a rich taste. Your dealer or Lewis' Factory, Peoria, Ill.

Women see without looking; their husbands often look without seeing.

Southern Wisconsin Corn and Clover Land only \$8. Some Timber. Near R. R. Easy Terms. Evans Real Estate Co., St. Paul.

A man can do no wrong—after the undertaker gets him.

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Men Admire

a pretty face, a good figure, but sooner or later learn that the healthy, happy, contented woman is most of all to be admired.

Women troubled with fainting spells, irregularities, nervous irritability, backache, the "blues," and those dreadful dragging sensations, cannot hope to be happy or popular, and advancement in either home, business or social life is impossible.

The cause of these troubles, however, yields quickly to Lydia E. Pinkham's Vegetable Compound made from native roots and herbs. It acts at once upon the organ afflicted and the nerve centers, dispelling effectually all those distressing symptoms. No other medicine in the country has received such unqualified endorsement or has such a record of cures of female ills as has

Lydia E. Pinkham's Vegetable Compound

Miss Emma Runtzler, of 631 State St., Schenectady, N. Y., writes:—"For a long time I was troubled with a weakness which seemed to drain all my strength away. I had dull headaches, was nervous, irritable, and all worn out. Chancing to read one of your advertisements of a case similar to mine cured by Lydia E. Pinkham's Vegetable Compound, I decided to try it and I cannot express my gratitude for the benefit received. I am entirely well and feel like a new person."

Lydia E. Pinkham's Vegetable Compound is the most successful remedy for all forms of Female Complaints, Weak Back, Falling and Displacements, Inflammation and Ulceration, and is invaluable in preparing for childbirth and the Change of Life.

Mrs. Pinkham's Standing Invitation to Women

Women suffering from any form of female weakness are invited to promptly communicate with Mrs. Pinkham, at Lynn, Mass. Her advice is free and always helpful.



New and Liberal Homestead Regulations in

WESTERN CANADA

New Districts Now Opened for Settlement

SOME OF THE CHOICEST lands in the grain growing belts of Saskatchewan and Alberta have recently been opened for settlement under the Revised Homestead Regulations of Canada.

The lands of homesteads of 160 acres each, are now available. The new regulations make it possible for entry to be made by proxy, the opportunity that many in the United States have been waiting for. Any member of a family may make entry for any other member of the family, who may be entitled to make entry for himself or herself. Entry may now be made before the Agent or Sub-Agent of the District by proxy, (on certain